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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/559,912	12/07/2005	Jacob Bruinink	NL030674US1	9560	
24738 PHILIPS INTELLECTUAL PROPERTY & STANDARDS PO BOX 3001 BRIARCLIFF MANOR, NY 10510-8001			EXAM	EXAMINER	
			NGUYEN, THANH NHAN P		
			ART UNIT	PAPER NUMBER	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/559.912 BRUININK ET AL. Office Action Summary Examiner Art Unit THANH-NHAN P. NGUYEN 2871 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 29 July 2008. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-7 is/are pending in the application. 4a) Of the above claim(s) _____ is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-7 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on 29 July 2008 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

Information Disclosure Statement(s) (PTO/SZ/UE)
Paper No(s)/Mail Date ______.

Interview Summary (PTO-413)
Paper No(s)/Mail Date.

6) Other:

Notice of Informal Patent Application

Art Unit: 2871

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3 are rejected under 35 U.S.C. 102(e) as being anticipated by Ikeno et al (US 6.862,058).

Ikeno et al disclose (figs. 10 and 11; col. 10, lines 31-35) a transflective liquid crystal display device, comprising:

Claim 1:

- · a front substrate (27) on a viewer side
- a rear substrate (14)
- a liquid crystalline cell (13) sandwiched between the front substrate and the rear substrate, said liquid crystalline cell having transmissive portions (comprising a transmitting electrode 19) for selectively passing light generated by a backlight (28), and reflective portions (comprising a reflecting electrode 18) for selectively reflecting ambient light, said transmissive portions provided with a first cell gap and said reflective portions provided with a second cell, and an optical retarder (32) at the viewer side of said liquid crystalline cell, a thickness of said optical

Application/Control Number: 10/559,912 Page 3

Art Unit: 2871

retarder being such as to compensate a difference between the first cell gap and

the second cell gap

Claim 3:

• wherein the optical retarder is essentially a quarter-wave retarder for the

reflective portions

Claim 2:

· a front substrate (27) on a viewer side

a rear substrate (14)

a liquid crystalline cell (13) sandwiched between the front substrate and the rear

substrate, said liquid crystalline cell having transmissive portions (comprising a

transmitting electrode 19)) for selectively passing light generated by a backlight

(28), and reflective portions (comprising a reflecting electrode 18) for selectively

reflecting ambient light, said transmissive portions provided with a first cell gap

and said reflective portions provided with a second cell

• an optical retarder (32) at the viewer side of said liquid crystalline cell, a

thickness of said optical retarder being such as to compensate a difference

between the first cell gap and the second cell gap

wherein the optical retarder is a patterned retarder extending substantially only

over the reflective portions of the liquid crystalline cell

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

Application/Control Number: 10/559,912

Art Unit: 2871

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 4-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over lkeno et al in view of Tetsuo et al (EP 1109053).

Claims 4 and 6:

Ikeno et al disclose all limitations as in claim 1.

Ikeno et al further disclose the optical retarder (32) is arranged between the front substrate (27) and a color filter (30).

Ikeno et al lack disclosure of the color filter having a different thickness for the reflective portions and the transmissive portions of the cell; wherein the thickness of the optical retarder is such as to compensate both a difference between the first cell gap and the second cell gap, and said different thickness of said color filter.

Tetsuo et al disclose (fig. 1A) a color filter (50) having a different thickness for the reflective portions and the transmissive portions of the cell for the benefit of ensuring a brightness of display in transmission and reflection regions to be maintained at a level suitable for actual application (par. 0018).

Therefore, at the time the invention was made, it would have been obvious to one of ordinary skill in the art to have the different thickness for the reflective portions and the transmissive portions of the cell in transflective liquid crystal display device for the benefit of ensuring a brightness of display in transmission and reflection regions to be maintained at a level suitable for actual application.

Application/Control Number: 10/559,912

Art Unit: 2871

Further, with the combination of the features in references by Ikeno et al and Tetsuo et al, it would have been obvious to obtain the thickness of the optical retarder is such as to compensate both a difference between the first cell gap and the second cell gap, and said different thickness of said color filter. Therefore, it does not patentably distinguish the invention.

Claim 5:

Ikeno et al disclose all limitations as in claim 4.

Ikeno et al lack disclosure of the color filter is arranged between the front substrate and the optical retarder.

However, it has been judicially determined that rearranging parts such as having the color filter is arranged between the front substrate and the optical retarder are at least obvious, [MPEP 2144.02.VI.C], and therefore, it does not patentably distinguish the invention.

Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ikeno et al in view of Kim (US 6,570,634).

Ikeno et al disclose all limitations as in claim 1.

Ikeno et al lack disclosure of the first cell gap is between 1.5 and 2.5 times the second cell gap.

Kim discloses (fig. 6; col. 5, lines 48-53) the first cell gap (d2) is between 1.5 and 2.5 times the second cell gap (d1) for the benefit of having higher transmittance of 100% in off state (fig. 7; col. 7, lines 44-61).

Art Unit: 2871

Therefore, at the time the invention was made, it would have been obvious to a person of ordinary skill in the art to have the first cell gap is between 1.5 and 2.5 times the second cell gap for the benefit of having higher transmittance of 100% in off state.

Response to Arguments

Applicant's arguments with respect to claims 1-7 have been considered but are moot in view of the new ground(s) of rejection.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to (Nancy) Thanh-Nhan P. Nguyen whose telephone number is 571-272-1673. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

⁻⁻ November 22, 2008

Application/Control Number: 10/559,912

Page 7

Art Unit: 2871

/David Nelms/

Supervisory Patent Examiner, Art Unit 2871